

NOVEMBER/DECEMBER 2025

**23USBT23 — ORGANIC FARMING AND
HEALTH MANAGEMENT (SEC II)**

Time : Three hours

Maximum : 75 marks



SECTION A — (10 × 2 = 20 marks)

Answer ALL questions.

1. List out abiotic factors of ecosystems.
2. Define biodiversity
3. What is a ring garden?
4. Mention two advantages of a nutrition garden.
5. What are the key principles of organic farming?
6. Define the Participatory Guarantee System (PGS).
7. What are the dimensions of health?
8. Define the term Right to Health.
9. What is the importance of health promotion?
10. What is the role of nutrition in sports?

SECTION B — (5 × 5 = 25 marks)

Answer ALL questions.

11. (a) Explain biotic and abiotic components in pond ecosystem.

Or

- (b) Explain about Endemic species in India.

12. (a) Compare nutrition gardening and traditional gardening methods.

Or

- (b) Discuss the importance of double digging in vegetable cultivation.

13. (a) Compare AGMARK, FSSAI, and Halal certification in food safety and quality.

Or

- (b) Explain how micro-enterprises contribute to rural economic development.

14. (a) Discuss the spectrum of health with examples.

Or

- (b) Write a short note on the responsibilities for ensuring health at the individual and governmental levels.

15. (a) Explain the components of health-related fitness.

Or

- (b) Identify the role of balanced nutrition in improving sports performance.

SECTION C — (3 × 10 = 30 marks)

Answer any THREE questions.

16. Explain in detail about biogeochemical cycles of energy flow system.

17. Discuss the setup, management, and benefits of a vermicomposting unit in sustainable agriculture.

18. Describe the economics of organic farming, covering investment, returns, and sustainability.

19. Discuss in detail the different health determinants and their impact on society.

20. Analyze the importance of physical activity in health promotion and disease prevention.

